

### REMARKS

Favorable reconsideration of the application is respectfully requested in light of the amendments and remarks herein.

Upon entry of this amendment, claims 1-27 will be pending. By this amendment, claims 1, 12, 21, 22, 25, and 26 have been amended. No new matter has been added.

#### § 103 Rejection of Claims 1, 2, 3, and 25

On page 2 of the Office Action, claims 1, 2, 3, and 25 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Matthews, III *et al.* (U.S. Patent No. 6,631,523; hereinafter referred to as “Matthews”) in view of Iwafune *et al.* (U.S. Patent No. 5,880,720; hereinafter referred to as “Iwafune”), Dunn (U.S. Patent No. 5,945,987), and Thomas *et al.* (U.S. Patent No. 5,666,645; hereinafter referred to as “Thomas”).

In the Background section of the Specification, it was disclosed that “[i]n the conventional method, the information concerning the program is only known by viewing actually the program, except mere information described in a program list, or the like. Consequently, in the future, in a situation of predicted further proliferation of received programs, it will be more and more difficult to select and view a program a viewer really wants, in a limited viewable time.” *Background of the Specification, page 2, lines 22-25.*

To solve this problem, embodiments of the present invention provide apparatus and method for processing and providing to a user broadcasting contents summary information obtained by summarizing the broadcasting contents information. For example, the structure of apparatus claim 1, as presented herein, includes:

“*user authentication means* for receiving authentication information and authenticating the user of the broadcasting contents summary information;

*summary playback information storage means* for storing summary playback information representing summary contents of said broadcasting contents information,

said broadcasting contents information being processed into said summary playback information in one of two ways,

wherein, in a first way, said summary playback information is automatically extracted from said broadcasting contents information when said broadcasting contents information can be uniformly processed,

wherein, in a second way, said summary playback information is obtained by an operator by extracting an information identifier from said broadcasting contents information, and manually adding keywords when said broadcasting contents information cannot be uniformly processed, and

wherein said broadcasting contents information is processed to generate a child screen for each scene change of said broadcasting contents information;

*additional screen information storage means* for storing additional screen information created in correspondence to said summary playback information;

*summary playback information search means* for extracting said specific summary playback information from said summary playback information storage means according to a transmitted specified condition information;

*additional screen information extraction means* for extracting said additional screen information corresponding to said summary playback information extracted by said summary playback information search means from said additional screen information storage means;

*summary contents shortening means* for compressing said summary playback information extracted by said summary playback information search means according to said specified condition information; and

*summary playback distribution means* for distributing said additional screen information extracted by said additional screen information storage means and said summary playback information shortened by said summary contents shortening means at a timing specified by said specified condition information.”

(emphasis added)

Therefore, in summary, claim 1 includes user authentication means; summary playback information storage means for storing summary playback information representing summary contents of the broadcasting contents information, wherein the broadcasting contents information is processed to generate a child screen for each scene change of the broadcasting contents information (see *Specification, page 38, lines 7-9*); additional screen information storage means; summary playback information search means; additional screen information extraction means; summary contents shortening means; and summary playback distribution means.

By contrast, Matthews, Iwafune, Dunn, and Thomas, individually or in combination, fail to teach or suggest providing an apparatus including user authentication means; summary playback information storage means for storing summary playback information representing summary contents of the broadcasting contents information, wherein the broadcasting contents information is processed to generate a child screen for each scene change of the broadcasting contents information; additional screen information storage means; summary playback information search means; additional screen information extraction means; summary contents shortening means; and summary playback distribution means.

Therefore, claim 1 should be allowable over Matthews, Iwafune, Dunn, and Thomas. Since claims 2 and 3 depend from claim 1, claims 2 and 3 should also be allowable over Matthews, Iwafune, Dunn, and Thomas. Further, since claim 25 closely parallels, and includes substantially similar limitations as recited in, independent claim 1, claim 25 should also be allowable over Matthews, Iwafune, Dunn, and Thomas.

Accordingly, it is submitted that the rejection of claims 1, 2, 3, and 25 based upon 35 U.S.C. §103(a) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

§ 103 Rejection of Claim 4

On page 6 of the Office Action, claim 4 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Matthews in view of Iwafune, Dunn, and Thomas as applied to claims 1, 2, 3, and 25 above, and further in view of Anderson *et al.* (U.S. Patent No. 6,005,631; hereinafter referred to as “Anderson”).

Based on the foregoing discussion regarding claim 1, and since claim 4 depends from claim 1, claim 4 should be allowable over Matthews, Iwafune, Dunn, and Thomas. Further, since Anderson is indicated as disclosing a method and apparatus for organizing and searching an EPG, the combination of Matthews, Iwafune, Dunn, Thomas, and Anderson still lacks all the limitations of claim 4. Therefore, claim 4 should be allowable over Matthews, Iwafune, Dunn, Thomas, and Anderson.

Accordingly, it is submitted that the rejection of claim 4 based upon 35 U.S.C. §103(a) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

§ 103 Rejection of Claims 5, 6, and 7

On page 7 of the Office Action, claims 5, 6, and 7 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Matthews in view of Iwafune, Dunn and Thomas, as applied to claims 1, 2, 3, and 25 above, and further in view of Abecassis (U.S. Patent No. 6,553,178).

Based on the foregoing discussion regarding claim 1, and since claims 5, 6, and 7 depend from claim 1, claims 5, 6, and 7 should be allowable over Matthews, Iwafune, Dunn, and Thomas. Further, since Abecassis is indicated as disclosing a VOD system, the combination of Matthews, Iwafune, Dunn, Thomas, and Abecassis still lacks all the limitations of claims 5, 6,

and 7. Therefore, claims 5, 6, and 7 should be allowable over Matthews, Iwafune, Dunn, Thomas, and Abecassis.

Accordingly, it is submitted that the rejection of claims 5, 6, and 7 based upon 35 U.S.C. §103(a) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

§ 103 Rejection of Claims 8 and 9

On page 8 of the Office Action, claims 8 and 9 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Matthews in view of Iwafune, Dunn, and Thomas, as applied to claims 1, 2, 3, and 25 above, and further in view of Kamada *et al.* (U.S. Patent Application No. 20030056208; hereinafter referred to as “Kamada”).

Based on the foregoing discussion regarding claim 1, and since claims 8 and 9 depend from claim 1, claims 8 and 9 should be allowable over Matthews, Iwafune, Dunn, and Thomas. Further, since Kamada is indicated as disclosing a method and device for obtaining audience data on a TV program, the combination of Matthews, Iwafune, Dunn, Thomas, and Kamada still lacks all the limitations of claims 8 and 9. Therefore, claims 8 and 9 should be allowable over Matthews, Iwafune, Dunn, Thomas, and Kamada.

Accordingly, it is submitted that the rejection of claims 8 and 9 based upon 35 U.S.C. §103(a) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

§ 103 Rejection of Claims 10 and 11

On page 9 of the Office Action, claims 10 and 11 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Matthews in view of Iwafune, Dunn, and Thomas, and further in view of Kamada, as applied to claims 8 and 9 above, and further in view of Goldman *et al.* (U.S. Patent Application No. 20030135853; hereinafter referred to as “Goldman”).

Based on the foregoing discussion regarding claim 1, and since claims 10 and 11 depend from claim 1, claims 10 and 11 should be allowable over Matthews, Iwafune, Dunn, and Thomas. Further, since Kamada is indicated as disclosing a method and device for obtaining audience data on a TV program, claims 10 and 11 should be allowable over Matthews, Iwafune, Dunn, Thomas, and Kamada. Further, since Goldman is indicated as disclosing a system and method for inserting advertisements, the combination of Matthews, Iwafune, Dunn, Thomas, Kamada, and Goldman still lacks all the limitations of claims 10 and 11. Therefore, claims 10 and 11 should be allowable over Matthews, Iwafune, Dunn, Thomas, Kamada, and Goldman.

Accordingly, it is submitted that the rejection of claims 10 and 11 based upon 35 U.S.C. §103(a) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

§ 103 Rejection of Claims 12-15, 17-20, 22-24, 26 and 27

On page 11 of the Office Action, claims 12-15, 17-20, 22-24, 26 and 27 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Matthews in view of Iwafune, Dunn, Thomas, and Barth (U.S. Patent Application No. 20030135864).

Based on the foregoing discussion regarding claim 1, and since independent claims 12, 22, and 26 closely parallel, and include substantially similar limitations as recited in, independent

claim 1, claims 12, 22, and 26 should be allowable over Matthews, Iwafune, Dunn, and Thomas. Further, since Barth is indicated as disclosing a digital decoder or STB used within service-on-demand systems such as video-on-demand, the combination of Matthews, Iwafune, Dunn, Thomas, and Barth still lacks all the limitations of claims 12, 22, and 26. Since claims 13-15, 17-20, 23-24, and 27 depend from one of claims 12, 22, and 26, claims 13-15, 17-20, 23-24, and 27 should also be allowable over Matthews, Iwafune, Dunn, Thomas, and Barth.

Accordingly, it is submitted that the rejection of claims 12-15, 17-20, 22-24, 26, and 27 based upon 35 U.S.C. §103(a) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

#### § 103 Rejection of Claim 16

On page 15 of the Office Action, claim 16 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Matthews in view of Iwafune, Dunn, Thomas, and Barth, as applied to claims 12-15, 17-20, 22-24, 26, and 27 above, and further in view of Blackwell *et al.* (U.S. Patent No. 6,449,654; hereinafter referred to as “Blackwell”).

Based on the foregoing discussion regarding claim 12, and since claim 16 depends from claim 12, claim 16 should be allowable over Matthews, Iwafune, Dunn, Thomas, and Barth. Further, since Blackwell is indicated as disclosing a system and method for retransmitting data within a cable television network, the combination of Matthews, Iwafune, Dunn, Thomas, Barth, and Blackwell still lacks all the limitations of claim 16. Therefore, claim 16 should be allowable over Matthews, Iwafune, Dunn, Thomas, Barth, and Blackwell.

Accordingly, it is submitted that the rejection of claim 16 based upon 35 U.S.C. §103(a) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

§ 103 Rejection of Claim 21

On page 16 of the Office Action, claim 21 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Matthews in view of Iwafune and Thomas.

Based on the foregoing discussion regarding claim 1, and since independent claim 21 closely parallels, and includes substantially similar limitations as recited in, independent claim 1, claim 21 should be allowable over Matthews, Iwafune, and Thomas.

Accordingly, it is submitted that the rejection of claim 21 based upon 35 U.S.C. §103(a) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

Conclusion

In view of the foregoing, entry of this amendment, and the allowance of this application with claims 1-27 are respectfully solicited.

In regard to the claims amended herein and throughout the prosecution of this application, it is submitted that these claims, as originally presented, are patentably distinct over the prior art of record, and that these claims were in full compliance with the requirements of 35 U.S.C. §112. Changes that have been made to these claims were not made for the purpose of patentability within the meaning of 35 U.S.C. §§101, 102, 103 or 112. Rather, these changes were made simply for clarification and to round out the scope of protection to which Applicant is entitled.



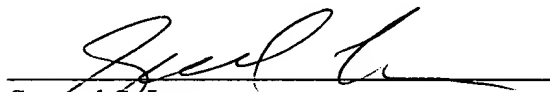
In the event that additional cooperation in this case may be helpful to complete its prosecution, the Examiner is cordially invited to contact Applicant's representative at the telephone number written below.

The Commissioner is hereby authorized to charge any insufficient fees or credit any overpayment associated with the above-identified application to Deposit Account 50-0320.

Respectfully submitted,

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